

FISHER SCIENTIFIC CO -- A575-500 ALUMINUM CHLORIDE, ANHYDROUS -- 6810-00-241-1201
===== Product Identification =====

Product ID:A575-500 ALUMINUM CHLORIDE, ANHYDROUS

MSDS Date:04/13/1991

FSC:6810

NIIN:00-241-1201

MSDS Number: BVHBN

=== Responsible Party ===

Company Name:FISHER SCIENTIFIC CO

Address:585 ALPHA DR

City:PITTSBURGH

State:PA

ZIP:15238-2911

Country:US

Info Phone Num:412-963-3300

Emergen

cy Phone Num:800-424-9300 CHEMTREC

CAGE:22527

=== Contractor Identification ===

Company Name:FISHER SCIENTIFIC CO

Address:2000 PARK LN

Box:City:PITTSBURGH

State:PA

ZIP:15275

Country:US

Phone:412-490-8586

CAGE:22527

Company Name:FISHER SCIENTIFIC CO. CHEMICAL MFG DIV

Address:1 REAGENT LANE

Box:City:FAIRLAWN

State:NJ

ZIP:07410-2802

Country:US

Phone:201-796-7100

CAGE:1B464

===== Composition/Information on Ingredients =====

Ingred Name:ALUMINUM CHLORIDE

CAS:7446-70-0

RTECS #:BD0

525000

Fraction by Wt: 100%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:2 MG/M3

ACGIH TLV:2 MG/M3

=====
===== Hazards Identification =====
=====

LD50 LC50 Mixture:ORAL LD50 (RAT) IS 3730 MG/KG

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE: INHALATION MAY CAUSE

RESPIRATORY IRRITATION, PULMONARY EDEMA. CONTACT MAY CAUSE SEVERE IRRITATION OR BURNS TO SKIN AND EYES. IN

GESTION MAY CAUSE BURNS TO

MOUTH/THROAT/ESOPHAGUS, KIDNEY & LIVER DMAGE, SEVERE GI TRACT IRRITATION. CHRONIC: PROLONGED OR REPEATED EXPOSURE MAY CAUSE CONJUNCTIVITIS, DERMATITIS.

Explanation of Carcinogenicity:ALUMINUM CHLORIDE IS NOT LISTED AS A CARCINOGEN BY NTP, IARC OR OSHA.

Effects of Overexposure:INHALED-COUGHING,CHOKING,PAIN IN

NOSE/THROAT/MOUTH,BURNS TO MUCOUS MEMBRANES,TIGHTNESS IN CHEST,DYSPNEA,FROTHY SPUTUM,CYANOSIS,DIZZINESS,WEAK/RAPID PULSE,HYPOTENSION,H

EMOCONCENTRATION,MOIST RALES.EYES

-PAIN,REDNESS,TEARING,BLURRED VISION,CORNEAL

BURNS.SKIN-PAIN,BURNS,REDNESS.INGESTED-NAUSEA,VOMITNG,DIARRHEA,TENE SMUS....

Medical Cond Aggravated by Exposure:PRESONS WITH EXISTING SKIN

DISORDERS, EYE PROBLEMS, OR IMPAIRED RESPIRATORY FUNCTION.

=====
===== First Aid Measures =====
=====

First Aid:IN ALL CASES GET IMMEDIATE MEDICAL ATTENTION! INHALED-REMOVE TO FRESH AIR.GIVE ARTIFICIAL RESPIRATION IF BREATHING ST

OPPED.SKIN-REMOVE CONTAMINATED CLOTHES/SHOES.WASH WITH SOAP & WATER.EYES-FLUSH WITH LOTS OF WATER FOR 15 MINUTES,LIFT LIDS.INGESTED-IF CONSCIOUS,GIVE LARGE AMOUNTS OF MILK OR WATER.MEDICAL PERSONNEL-GIVE GASTRIC LAVAGE IF NO VOMITING HAS OCCURED.

=====
===== Fire Fighting Measures =====
=====

Flash Point:NON-FLAMMABLE

Extinguishing Media:DRY CHEMICAL OR CARBON DIOXIDE. DO NOT USE WATER!

Fire Fighting Procedures:DO NOT GET WATER INSIDE CONTAINER. DO GET

STREAM OF WATER ON SPILLED MATERIAL. MOVE CONTAINER FROM AREA IF NO RISK. COOL CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard: NEGLIGIBLE FIRE HAZARD WHEN EXPOSED TO HEAT AND FLAME.

===== Accidental Release Measures =====

Spill Release Procedures: KEEP COMBUSTIBLE AWAY FROM SPILLED MATERIAL. DO NOT TOUCH SPILLED MATERIAL. STOP LEAK IF NO RISK. CLEAN UP ONLY UNDER SUPERVISION OF EXPERT. ISOLATE & DENY ENTRY. DO NOT PUT WATER ON SPILL AREA. D

IKE AREA F OR LATER DISPOSAL.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

===== Handling and Storage =====

Handling and Storage Precautions: STORE IN A COOL, DRY PLACE PROTECTED FROM RAIN & DIRECT SUNSHINE. STORAGE IN SPRINKLERED BUILDING IS NOT RECOMMENDED. STORE AWAY FROM INCOMPATIBLES.

Other Precautions: NONE SPECIFIED BY MANUFACTURER.

===== Exposure Controls/Personal Protection =====

Respiratory Protection: IF ENGINEERING CONTROLS FAIL OR NON-ROUTINE USE OR EMERGENCY OCCURS; USE NIOSH/MSHA APPROVED RESPIRATOR OR SUPPLIED AIR RESPIRATOR OR SCBA, AS REQUIRED. USE IAW 29 CFR 1910.134 AND MANUFACTURER'S RECOMMENDATIONS.

Ventilation: PROVIDE LOCAL EXHAUST VENTILATION SYSTEM TO MEET PUBLISHED EXPOSURE LIMITS.

Protective Gloves: IMPERVIOUS

Eye Protection: SAFETY GLASSES/CHEMICAL SPLASH GOGGLES

Other Protective Equipment: WEAR APPROPRIATE (IMPERVIOUS) PROTECTIVE CLOTHING TO PREVENT SKIN CONTACT. EYE WASH STATION & SAFETY SHOWER.

Work Hygienic Practices: WASH HANDS AFTER USE AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDRY CONTAMINATED CLOTHES BEFORE REUSE.

Supplemental Safety and Health

===== Physical/Chemical Properties =====

HCC: C3

Boiling Pt: B.P. Text: 504F, 262C

Melt/Freeze Pt: M.P/F.P Text: 374F, 190C

Decomp Temp: Decomp Text: 504F, 262C

Vapor Pres: 1 MM HG

Spec Gravity: 2.44

Solubility in Water: REACTS

Appearance and Odor: WHITE, GRAY, YELLOW CRYSTALLINE DELIQUESCENT

POWDER; PUNGENT ODOR.

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid: YES

WATER, ALKALI, ALKENES, ALLYL CHLORIDE, BENZOYL CHLORIDE, ETHYLENE, ETHYLENE OXIDE, ISOBUTENE, METALS, NITROBENZENE, SODIUM,

Stability Condition to Avoid: MAY DECOMPOSE ON PROLONGED STORAGE CREATING AN EXPLOSION HAZARD WHEN OPENED. REACTS VIOLENTLY WITH WATER/MOISTURE.

Hazardous Decomposition Products: THERMAL DECOMPOSITION PRODUCTS INCLUDE TOXIC AND CORROSIVE HYDROGEN CHLORIDE.

===== Disposal Considerations =====

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. DLA-HMIS EPA/RCRA WASTE NUMBER=NONE.

Disclaimer (provided with this information by the compiling agencies): This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.